

**Appendix A
Recommended Plants by Community**

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #1

Description: This is a mesic/dry roadside mix that combines natives and already-present non-native species, including some turf plants. The mix reaches a height of approximately 18 to 24 inches, with taller accents as distance from road increases. In areas with higher salinity, plant heights will be closer to six inches. This mix should be used in urban areas where conditions are subject to road de-icing salts, experience drought conditions, and generally have poor soils.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Foxtail barley	<i>Hordeum jubatum</i>	0.063
Little barley	<i>Hordeum pusillum</i>	0.063
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Knee grass	<i>Panicum dichotomiflorum</i>	2.000
Subtotal		39.126
GRASSES		
Slender wheatgrass	<i>Agropyron trachyeaulum</i>	3.000
Little bluestem	<i>Andropogon scoparius</i>	4.000
Side-oats grama	<i>Bouteloua curtipendula</i>	5.000
Blue grama	<i>Bouteloua gracilis</i>	3.500
Buffalograss	<i>Buchloe dactyloides</i>	4.000
Canada wildrye	<i>Elymus canadensis</i>	2.000
Alkali grass	<i>Puccinellia distans</i>	30.000
Sand dropseed	<i>Sporobolus cryptandrus</i>	1.000
Subtotal		52.500
PERENNIALS/FORBS		
Common yarrow	<i>Achillea millefolium</i>	0.031
Canada anemone	<i>Anemone canadensis</i>	0.031
Heath aster	<i>Aster ericoides</i>	0.031
Smooth blue aster	<i>Aster laevis</i>	0.063
New England aster	<i>Aster novae-angliae</i>	0.250
Canada milkvetch	<i>Astragalus canadensis</i>	0.031
Partridge pea	<i>Cassia fasciculata</i>	0.250
Chicory	<i>Cichorium intybus</i>	0.031
Queen Anne's lace	<i>Daucus carota</i>	0.031
Illinois bundleflower	<i>Desmanthus illinoensis</i>	0.250
Pale purple coneflower	<i>Echinacea pallida</i>	0.250
Rattlesnake master	<i>Eryngium yuccifolium</i>	0.063
Oxeye sunflower	<i>Heliotropis helianthoides</i>	0.250
Rough blazing star	<i>Liatris aspera</i>	0.063
Prairie blazing star	<i>Liatris pycnostachya</i>	0.063
Wild bergamot	<i>Monarda fistulosa</i>	0.188
Purple prairie clover	<i>Petalostemum purpureum</i>	1.000

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Gray headed coneflower	<i>Ratibida pinnata</i>	0.500
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.500
Compass plant	<i>Silphium laciniatum</i>	0.250
Stiff goldenrod	<i>Solidago rigida</i>	0.250
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.250
Hoary vervain	<i>Verbena stricta</i>	0.250
<i>Subtotal</i>		4.876
TOTAL		96.502

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #2

Description: This is a mesic/dry prairie mix that emphasizes low-profile native grass and forb species. The mix reaches a height of approximately 24 to 36 inches. This mix should be used on compacted slopes of stormwater basins and other areas of poor to medium soils where a low-profile, drought tolerant mix is desired.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Subtotal		38.000
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	0.500
Little bluestem	<i>Andropogon scoparius</i>	4.000
Side-oats grama	<i>Bouteloua curtipendula</i>	2.000
Indiangrass	<i>Sorghastrum nutans</i>	0.094
Prairie dropseed	<i>Sporobolus heterolepis</i>	50 plants
Subtotal		6.594
PERENNIALS/FORBS		
Nodding wild onion	<i>Allium cernuum</i>	0.016
Canada anemone	<i>Anemone canadensis</i>	0.016
Butterflyweed	<i>Asclepias tuberosa</i>	0.031
Heath aster	<i>Aster ericoides</i>	0.006
Smooth blue aster	<i>Aster laevis</i>	0.016
New England aster	<i>Aster novae-angliae</i>	0.031
Canada milkvetch	<i>Astragalus canadensis</i>	0.006
Partridge pea	<i>Cassia fasciculata</i>	0.125
Sand coreopsis	<i>Coreopsis lanceolata</i>	0.031
Prairie coreopsis	<i>Coreopsis palmata</i>	0.031
Illinois bundleflower	<i>Desmanthus illinoensis</i>	0.125
Pale purple coneflower	<i>Echinacea pallida</i>	0.281
Rattlesnake master	<i>Eryngium yuccifolium</i>	0.188
Oxeye sunflower	<i>Heliopsis helianthoides</i>	0.025
Round-headed bush clover	<i>Lespedeza capitata</i>	0.125
Rough blazing star	<i>Liatris aspera</i>	0.125
Prairie blazing star	<i>Liatris pycnostachya</i>	0.188
Wild bergamot	<i>Monarda fistulosa</i>	0.031
Wild quinine	<i>Parthenium integrifolium</i>	0.125
Foxglove penstemon	<i>Penstemon digitalis</i>	0.031
Purple prairie clover	<i>Petalostemum purpureum</i>	0.156
Prairie cinquefoil	<i>Potentilla arguta</i>	0.031

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Gray headed coneflower	<i>Ratibida pinnata</i>	0.125
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Compass plant	<i>Silphium laciniatum</i>	0.012
Prairie dock	<i>Silphium terebinthinaceum</i>	0.063
Stiff goldenrod	<i>Solidago rigida</i>	0.125
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.031
Hoary vervain	<i>Verbena stricta</i>	0.063
Golden Alexanders	<i>Zizia aurea</i>	0.031
<i>Subtotal</i>		2.378
TOTALS		41.38
		50 plants

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #3

Description: This mix is suitable for well-drained soils that may pond water during heavy rainfall but drain within a few hours. Plantings emphasize native grasses that provide resistance to flowing water, improve water quality, and stabilize the soil. This mix reaches heights between 18 to 36 inches, with scattered accents up to 54 inches. It is suitable for use in mesic to dry soils of swales and on banks of ditches that receive some, but not the majority, of their runoff from streets or parking lots. It will perform best in areas that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Timothy	<i>Phleum pratense</i>	2.000
Subtotal		40.000
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	0.500
Big bluestem	<i>Andropogon gerardii</i>	0.063
Little bluestem	<i>Andropogon scoparius</i>	2.500
Side-oats grama	<i>Bouteloua curtipendula</i>	1.750
Prairie switchgrass	<i>Panicum virgatum</i>	0.188
Indiangrass	<i>Sorghastrum nutans</i>	0.063
Prairie dropseed	<i>Sporobolus heterolepis</i>	50 plants
Subtotal		4.564
PERENNIALS/FORBS		
Nodding wild onion	<i>Allium cernuum</i>	0.016
Thimbleweed	<i>Anemone cylindrica</i>	0.016
Butterflyweed	<i>Asclepias tuberosa</i>	0.063
Sky blue aster	<i>Aster azureus</i>	0.006
Smooth blue aster	<i>Aster laevis</i>	0.016
New England aster	<i>Aster novae-angliae</i>	0.031
Wild white indigo	<i>Baptisia leucantha</i>	0.100
Partridge pea	<i>Cassia fasciculata</i>	0.125
Prairie coreopsis	<i>Coreopsis palmata</i>	0.016
Tall coreopsis	<i>Coreopsis tripteris</i>	0.031
Illinois bundleflower	<i>Desmanthus illinoensis</i>	0.125
Illinois tick trefoil	<i>Desmodium canadense</i>	0.016
Pale purple coneflower	<i>Echinacea pallida</i>	0.250
Rattlesnake master	<i>Eryngium yuccifolium</i>	0.100
Flowering spurge	<i>Euphorbia corollata</i>	0.031
Prairie alum root	<i>Heuchera richardsonii</i>	0.016
Round-headed bush clover	<i>Lespedeza capitata</i>	0.125
Rough blazing star	<i>Liatris aspera</i>	0.125

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Prairie blazing star	<i>Liatris pycnostachya</i>	0.188
Wild bergamot	<i>Monarda fistulosa</i>	0.016
Wild quinine	<i>Parthenium integrifolium</i>	0.125
Foxglove penstemon	<i>Penstemon digitalis</i>	0.013
White prairie clover	<i>Petalostemum candidum</i>	0.125
Purple prairie clover	<i>Petalostemum purpureum</i>	0.188
Prairie cinquefoil	<i>Potentilla arguta</i>	0.031
Mountain mint	<i>Pycnanthemum virginianum</i>	0.016
Gray headed coneflower	<i>Ratibida pinnata</i>	0.250
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Rosinweed	<i>Silphium integrifolium</i>	0.063
Compass plant	<i>Silphium laciniatum</i>	0.125
Prairie dock	<i>Silphium terebinthinaceum</i>	0.063
Old-field goldenrod	<i>Solidago nemoralis</i>	0.063
Stiff goldenrod	<i>Solidago rigida</i>	0.125
Showy goldenrod	<i>Solidago speciosa</i>	0.063
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.063
Hoary vervain	<i>Verbena stricta</i>	0.063
Common ironweed	<i>Vernonia fasciculata</i>	0.063
Culver's root	<i>Veronicastrum virginicum</i>	0.063
Golden Alexanders	<i>Zizia aurea</i>	0.031
Subtotal		3.133
TOTALS		47.70
		50 plants

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #4

Description: This mix emphasizes low to medium-profile native grasses and diverse flowers suitable for use on buffer areas associated with dry, well-drained soils or on south-facing slopes where drought-tolerant natives are desired. The mix reaches a height of approximately 18 to 36 inches by autumn, with accents of taller plants. This mix thrives with a full day of sun and can be adapted further to emphasize sand-loving species for use with selected BMPs.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
SHRUBS		
Leadplant	<i>Amorpha canescens</i>	0.125
New Jersey tea	<i>Ceanothus americanus</i>	0.063
Subtotal		0.188
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Subtotal		37.000
GRASSES		
Big bluestem	<i>Andropogon gerardii</i>	0.063
Little bluestem	<i>Andropogon scoparius</i>	2.000
Side-oats grama	<i>Bouteloua curtipendula</i>	1.000
Buffalograss	<i>Buchloe dactyloides</i>	4.500
Prairie junegrass	<i>Koeleria cristata</i>	0.188
Indiangrass	<i>Sorghastrum nutans</i>	0.063
Sand dropseed	<i>Sporobolus cryptandrus</i>	0.125
Prairie dropseed	<i>Sporobolus heterolepis</i>	50 plants
Porcupine grass	<i>Stipa spartea</i>	0.006
Subtotal		7.945
SEDGES, RUSHES, AND REEDS		
Copper-shouldered oval sedge	<i>Carex bicknellii</i>	0.063
Subtotal		0.063
PERENNIALS/FORBS		
Nodding wild onion	<i>Allium cernuum</i>	0.016
Thimbleweed	<i>Anemone cylindrica</i>	0.016
Pasque flower	<i>Anemone patens</i>	0.016
Butterflyweed	<i>Asclepias tuberosa</i>	0.063
Sky blue aster	<i>Aster azureus</i>	0.006
Heath aster	<i>Aster ericoides</i>	0.016
Smooth blue aster	<i>Aster laevis</i>	0.016
White aster	<i>Aster ptarmicoides</i>	0.032
Silky aster	<i>Aster sericeus</i>	0.006

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Canada milkvetch	<i>Astragalus canadensis</i>	0.031
Wild white indigo	<i>Baptisia leucantha</i>	0.063
Partridge pea	<i>Cassia fasciculata</i>	0.156
Sand coreopsis	<i>Coreopsis lanceolata</i>	0.188
Prairie coreopsis	<i>Coreopsis palmata</i>	0.063
Tall coreopsis	<i>Coreopsis tripteris</i>	0.031
Illinois bundleflower	<i>Desmanthus illinoensis</i>	0.094
Pale purple coneflower	<i>Echinacea pallida</i>	0.250
Rattlesnake master	<i>Eryngium yuccifolium</i>	0.100
Flowering spurge	<i>Euphorbia corollata</i>	0.031
Prairie smoke	<i>Geum triflorum</i>	0.016
Western sunflower	<i>Helianthus occidentalis</i>	0.125
Prairie alum root	<i>Heuchera richardsonii</i>	0.006
Round-headed bush clover	<i>Lespedeza capitata</i>	0.188
Rough blazing star	<i>Liatris aspera</i>	0.250
Hoary puccoon	<i>Lithospermum canescens</i>	0.016
Wild bergamot	<i>Monarda fistulosa</i>	0.016
Wild quinine	<i>Parthenium integrifolium</i>	0.125
White prairie clover	<i>Petalostemum candidum</i>	0.032
Purple prairie clover	<i>Petalostemum purpureum</i>	0.094
Prairie cinquefoil	<i>Potentilla arguta</i>	0.016
Gray headed coneflower	<i>Ratibida pinnata</i>	0.063
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.094
Old-field goldenrod	<i>Solidago nemoralis</i>	0.031
Stiff goldenrod	<i>Solidago rigida</i>	0.016
Showy goldenrod	<i>Solidago speciosa</i>	0.063
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.063
Hoary vervain	<i>Verbena stricta</i>	0.031
Heart-leaf Alexanders	<i>Zizia aptera</i>	0.031
Subtotal		2.470
TOTALS		47.67
		50 plants

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #5

Description: This mix, suitable for well-drained soils, contains plants that emphasize low profile native grasses and selected non-native species that will improve water quality and stabilize the soil. This mix reaches heights between 18 to 24 inches, with scattered accents up to 36 inches. It is suitable for use in mesic to dry soils on banks that receive the majority of their runoff from parking lots. It will perform best in areas that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (plants/900 s.f.)
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	25
Little bluestem	<i>Andropogon scoparius</i>	50
Side-oats grama	<i>Bouteloua curtipendula</i>	50
Buffalograss	<i>Buchloe dactyloides</i>	30
Prairie dropseed	<i>Sporobolus heterolepis</i>	75
Subtotal		230
PERENNIALS/FORBS		
Nodding wild onion	<i>Allium cernuum</i>	10
Thimbleweed	<i>Anemone cylindrica</i>	10
Butterflyweed	<i>Asclepias tuberosa</i>	30
Whorled milkweed	<i>Asclepias verticillata</i>	10
Wild white indigo	<i>Baptisia leucantha</i>	20
Pale purple coneflower	<i>Echinacea pallida</i>	10
Rough blazing star	<i>Liatris aspera</i>	10
Wild bergamot	<i>Monarda fistulosa</i>	10
White prairie clover	<i>Petalostemum candidum</i>	15
Purple prairie clover	<i>Petalostemum purpureum</i>	15
Black-eyed Susan	<i>Rudbeckia hirta</i>	15
Ohio spiderwort	<i>Tradescantia ohioensis</i>	10
Hoary vervain	<i>Verbena stricta</i>	10
Subtotal		175
TOTALS		405

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #6

Description: This mix is suitable for wet to mesic soils that may pond water during heavy rainfall but drain within 72 hours. Plantings emphasize native grasses and grass-like plants that provide resistance to flowing water, improve water quality, and stabilize the soil. This mix reaches heights between 18 to 36 inches, with scattered accents up to 54 inches. It is suitable for use below check dams in bioswales receiving runoff from parking lots. It will perform best in areas that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (plants/900 s.f.)
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	50
Virginia wildrye	<i>Elymus virginicus</i>	25
Prairie switchgrass	<i>Panicum virgatum</i>	15
Subtotal		90
SEDGES, RUSHES, AND REEDS		
Wooly sedge	<i>Carex lanuginosa (pellita)</i>	25
Fox sedge	<i>Carex vulpinoidea</i>	25
Baltic rush	<i>Juncus balticus</i>	25
Dark green rush	<i>Scirpus atrovirens</i>	10
Woolgrass	<i>Scirpus cyperinus</i>	35
Red bulrush	<i>Scirpus pendulus</i>	35
Subtotal		155
PERENNIALS/FORBS		
New England aster	<i>Aster novae-angliae</i>	10
Rattlesnake master	<i>Eryngium yuccifolium</i>	25
Ox-eye sunflower	<i>Helipsis helianthoides</i>	15
Blue flag	<i>Iris virginica shrevei</i>	20
Prairie blazing star	<i>Liatris pycnostachya</i>	10
Great blue lobelia	<i>Lobelia siphilitica</i>	15
Foxglove penstemon	<i>Penstemon digitalis</i>	20
Black-eyed Susan	<i>Rudbeckia hirta</i>	25
Narrow-leaved goldenrod	<i>Solidago graminifolia</i>	10
Ohio spiderwort	<i>Tradescantia ohioensis</i>	10
Subtotal		160
TOTALS		405

Recommended Plants for Lake Calumet Landscaping

Low Profile Prairie Mix #7

Description: This mix emphasizes low to medium-profile native plants suitable for use in created natural areas with mesic to dry, well-drained soils. The mix contains seeds of plants adapted to full sunlight conditions and includes seeds of shade-tolerant species, thereby providing a seed bank suited to the shadier conditions that will occur as savanna and woodland trees mature and increase the canopy cover and ground shading. The mix reaches a height of approximately 18 to 36 inches by autumn, with accents of taller plants.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Subtotal		37.000
GRASSES		
Little bluestem	<i>Andropogon scoparius</i>	3.000
Side-oats grama	<i>Bouteloua curtipendula</i>	1.750
Ear-leaved brome	<i>Bromus latiglumis</i>	0.031
Beak grass	<i>Diarrhenia americana</i>	0.031
Silky wildrye	<i>Elymus villosus</i>	0.125
Virginia wildrye	<i>Elymus virginicus</i>	2.000
Bottlebrush grass	<i>Hystrix patula</i>	0.062
Indiangrass	<i>Sorghastrum nutans</i>	0.063
Prairie dropseed	<i>Sporobolus heterolepis</i>	50 plants
Porcupine grass	<i>Stipa spartea</i>	0.006
Subtotal		7.068
SEDGES, RUSHES, AND REEDS		
Copper-shouldered oval sedge	<i>Carex bicknellii</i>	0.063
Common wood sedge	<i>Carex blanda</i>	0.062
Field oval sedge	<i>Carex molesta</i>	
Loose-headed oval sedge	<i>Carex projecta</i>	
Short's sedge	<i>Carex shortiana</i>	
Subtotal		0.125
PERENNIALS/FORBS		
Nodding wild onion	<i>Allium cernuum</i>	0.016
Canada anemone	<i>Anemone canadensis</i>	0.031
Thimbleweed	<i>Anemone cylindrica</i>	0.016
Sky blue aster	<i>Aster azureus</i>	0.006
Smooth blue aster	<i>Aster laevis</i>	0.016
New England aster	<i>Aster novae-angliae</i>	0.031
Arrowleaf aster	<i>Aster sagittifolius</i>	0.062
Aster shortii	<i>Aster shortii</i>	0.015
Canada milkvetch	<i>Astragalus canadensis</i>	0.031

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Wild white indigo	<i>Baptisia leucantha</i>	0.063
Partridge pea	<i>Cassia fasciculata</i>	0.156
Sand coreopsis	<i>Coreopsis lanceolata</i>	0.188
Prairie coreopsis	<i>Coreopsis palmata</i>	0.063
Tall coreopsis	<i>Coreopsis tripteris</i>	0.031
Illinois bundleflower	<i>Desmanthus illinoensis</i>	0.094
Pale purple coneflower	<i>Echinacea pallida</i>	0.250
Purple coneflower	<i>Echinacea purpurea</i>	0.188
White snakeroot	<i>Eupatorium rugosum</i>	0.063
Western sunflower	<i>Helianthus occidentalis</i>	0.125
Round-headed bush clover	<i>Lespedeza capitata</i>	0.188
Wild bergamot	<i>Monarda fistulosa</i>	0.016
Hairy sweet cicely	<i>Osmorrhiza claytonia</i>	0.016
Wild quinine	<i>Parthenium integrifolium</i>	0.125
Foxglove penstemon	<i>Penstemon digitalis</i>	0.015
Purple prairie clover	<i>Petalostemum purpureum</i>	0.094
Prairie cinquefoil	<i>Potentilla arguta</i>	0.016
Gray headed coneflower	<i>Ratibida pinnata</i>	0.188
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Sweet black-eyed Susan	<i>Rudbeckia subtomentosa</i>	0.063
Stiff goldenrod	<i>Solidago rigida</i>	0.016
Elm-leafed goldenrod	<i>Solidago ulmifolia</i>	0.032
Germandere	<i>Teuchrium canadense</i>	0.063
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.063
Horse gentian	<i>Triosteum aurantiacum</i>	0.031
Hoary vervain	<i>Verbena stricta</i>	0.031
White vervain	<i>Verbena urticifolia</i>	0.125
Culver's root	<i>Veronicastrum virginicum</i>	0.031
Heart-leaf Alexanders	<i>Zizia aptera</i>	0.031
Golden Alexanders	<i>Zizia aurea</i>	0.063
Subtotal		2.840
TOTALS		47.03
		50 plants

Recommended Plants for Lake Calumet Landscaping

Mesic Prairie Mix #1

Description: This mix emphasizes taller native grasses and diverse flowers and reaches a height of approximately 48 to 72 inches by autumn. This mix is suitable for use on compacted slopes or other areas where drought-tolerant vegetation is desired. It does well as a background planting and on large areas but will look out-of-place if installed in small areas. This mix was designed to accommodate a broad spectrum of moisture conditions, from mesic to dry soils that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
DECIDUOUS SHRUBS		
False indigo	<i>Amorpha fruticosa</i>	0.062
Subtotal		0.062
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Timothy	<i>Phleum pratense</i>	2.000
Subtotal		40.000
GRASSES		
Big bluestem	<i>Andropogon gerardii</i>	1.500
Little bluestem	<i>Andropogon scoparius</i>	1.000
Side-oats grama	<i>Bouteloua curtipendula</i>	1.000
Prairie switchgrass	<i>Panicum virgatum</i>	0.250
Indiangrass	<i>Sorghastrum nutans</i>	1.000
Prairie dropseed	<i>Sporobolus heterolepis</i>	50 plants
Subtotal		4.750
PERENNIALS/FORBBS		
Nodding wild onion	<i>Allium cernuum</i>	0.016
Thimbleweed	<i>Anemone cylindrica</i>	0.016
Butterflyweed	<i>Asclepias tuberosa</i>	0.063
Sky blue aster	<i>Aster azureus</i>	0.006
Smooth blue aster	<i>Aster laevis</i>	0.016
New England aster	<i>Aster novae-angliae</i>	0.031
Wild white indigo	<i>Baptisia leucantha</i>	0.100
Partridge pea	<i>Cassia fasciculata</i>	0.125
Prairie coreopsis	<i>Coreopsis palmata</i>	0.016
Tall coreopsis	<i>Coreopsis tripteris</i>	0.031
Illinois bundleflower	<i>Desmanthus illinoensis</i>	0.125
Illinois tick trefoil	<i>Desmodium canadense</i>	0.016
Pale purple coneflower	<i>Echinacea pallida</i>	0.250
Rattlesnake master	<i>Eryngium yuccifolium</i>	0.100
Flowering spurge	<i>Euphorbia corollata</i>	0.031

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Prairie alum root	<i>Heuchera richardsonii</i>	0.016
Round-headed bush clover	<i>Lespedeza capitata</i>	0.125
Rough blazing star	<i>Liatris aspera</i>	0.125
Prairie blazing star	<i>Liatris pycnostachya</i>	0.188
Wild bergamot	<i>Monarda fistulosa</i>	0.016
Wild quinine	<i>Parthenium integrifolium</i>	0.125
Foxglove penstemon	<i>Penstemon digitalis</i>	0.013
White prairie clover	<i>Petalostemum candidum</i>	0.125
Purple prairie clover	<i>Petalostemum purpureum</i>	0.188
Prairie cinquefoil	<i>Potentilla arguta</i>	0.031
Mountain mint	<i>Pycnanthemum virginianum</i>	0.016
Gray headed coneflower	<i>Ratibida pinnata</i>	0.250
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Rosinweed	<i>Silphium integrifolium</i>	0.063
Compass plant	<i>Silphium laciniatum</i>	0.125
Prairie dock	<i>Silphium terebinthinaceum</i>	0.063
Old-field goldenrod	<i>Solidago nemoralis</i>	0.063
Stiff goldenrod	<i>Solidago rigida</i>	0.125
Showy goldenrod	<i>Solidago speciosa</i>	0.063
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.063
Hoary vervain	<i>Verbena stricta</i>	0.063
Common ironweed	<i>Vernonia fasciculata</i>	0.063
Culver's root	<i>Veronicastrum virginicum</i>	0.063
Golden Alexanders	<i>Zizia aurea</i>	0.031
Subtotal		3.133
TOTALS		47.95
		50 plants

Recommended Plants for Lake Calumet Landscaping

Mesic Prairie Mix #2

Description: This mix is designed for areas that receive filtered shade under large trees is suited to variable sun conditions ranging from shade to partial sun. It is suited for application on woodland edges and in open woodlands and can be adapted for savannas. The mix contains native grasses and wildflowers adapted for well-drained soils with light to moderate shade. This mix should not be used for extremely dry sites or for wet areas.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
SHRUBS		
Lead plant	<i>Amorpha canescens</i>	0.250
Early wild rose	<i>Rosa blanda</i>	0.188
Subtotal		0.438
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Timothy	<i>Phleum pratense</i>	2.000
Subtotal		40.000
GRASSES		
Big bluestem	<i>Andropogon gerardii</i>	1.000
Little bluestem	<i>Andropogon scoparius</i>	2.000
Side-oats grama	<i>Bouteloua curtipendula</i>	2.000
Ear-leaved brome	<i>Bromus latiglumis</i>	0.031
Woodland brome	<i>Bromus pubescens</i>	0.031
Poverty oat grass	<i>Danthonia spicata</i>	0.063
Beak grass	<i>Diarrhenia americana</i>	0.031
Silky wildrye	<i>Elymus villosus</i>	0.125
Virginia wildrye	<i>Elymus virginicus</i>	2.000
Nodding fescue	<i>Festuca obtusa</i>	0.006
Bottlebrush grass	<i>Hystrix patula</i>	0.006
Indiangrass	<i>Sorghastrum nutans</i>	2.000
Subtotal		9.293
SEDGES, RUSHES, AND REEDS		
Copper-shouldered oval sedge	<i>Carex bicknellii</i>	0.125
Common wood sedge	<i>Carex blanda</i>	
Field oval sedge	<i>Carex molesta</i>	
Subtotal		4.012
PERENNIALS/FORBBS		
Red baneberry	<i>Actaea rubra</i>	0.006
Wingstem	<i>Actinomeris alternifolia</i>	0.062

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Yellow giant hyssop	<i>Agastache nepetoides</i>	0.015
Purple giant hyssop	<i>Agastache scrophulariaefolia</i>	0.015
Nodding wild onion	<i>Allium cernuum</i>	0.006
Canada anemone	<i>Anemone canadensis</i>	0.031
Wild columbine	<i>Aquilegia canadensis</i>	0.062
Jack-in-the-pulpit	<i>Arisaema triphyllum</i>	0.009
Sky blue aster	<i>Aster azureus</i>	0.006
Smooth blue aster	<i>Aster laevis</i>	0.031
Side-flower aster	<i>Aster lateriflorus</i>	0.062
New England aster	<i>Aster novae-angliae</i>	0.031
Crooked-stemmed aster	<i>Aster prenanthoides</i>	0.016
Arrowleaf aster	<i>Aster sagittifolius</i>	0.062
Short's aster	<i>Aster shortii</i>	0.015
Tall bellflower	<i>Campanula americana</i>	0.006
Prairie coreopsis	<i>Coreopsis palmata</i>	0.063
Tall coreopsis	<i>Coreopsis tripteris</i>	0.016
Shooting star	<i>Dodecatheon meadia</i>	0.006
Purple coneflower	<i>Echinacea purpurea</i>	0.250
White snakeroot	<i>Eupatorium rugosum</i>	0.063
Cream gentian	<i>Gentiana flavida</i>	0.031
Western sunflower	<i>Helianthus occidentalis</i>	0.188
Great blue lobelia	<i>Lobelia siphilitica</i>	0.015
Wild bergamot	<i>Monarda fistulosa</i>	0.031
Hairy sweet cicely	<i>Osmorrhiza claytonia</i>	0.009
Foxglove penstemon	<i>Penstemon digitalis</i>	0.015
Great Solomon's seal	<i>Polygonatum canaliculatum</i>	0.015
Mountain mint	<i>Pycnanthemum virginianum</i>	0.015
Gray headed coneflower	<i>Ratibida pinnata</i>	0.125
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.250
Sweet black-eyed Susan	<i>Rudbeckia subtomentosa</i>	0.063
Brown-eyed Susan	<i>Rudbeckia triloba</i>	0.031
Rosinweed	<i>Silphium integrifolium</i>	0.006
Cupplant	<i>Silphium perfoliatum</i>	0.031
Prairie dock	<i>Silphium terebinthinaceum</i>	0.031
False Solomon's seal	<i>Smilacina racemosa</i>	0.006
Old-field goldenrod	<i>Solidago nemoralis</i>	0.031
Stiff goldenrod	<i>Solidago rigida</i>	0.125
Showy goldenrod	<i>Solidago speciosa</i>	0.063
Germander	<i>Teucrium canadense</i>	0.063
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.006
Horse gentian	<i>Triosteum aurantiacum</i>	0.031
Hoary vervain	<i>Verbena stricta</i>	0.046
White vervain	<i>Verbena urticifolia</i>	0.125
Culver's root	<i>Veronicastrum virginicum</i>	0.031

Common Name	Scientific Name	Quantity (plants or lbs/ac)
Heart-leaf Alexanders	<i>Zizia aptera</i>	0.006
Golden Alexanders	<i>Zizia aurea</i>	0.063
<i>Subtotal</i>		2.285
TOTALS		56.03

Recommended Plants for Lake Calumet Landscaping

Wet to Mesic Prairie Mix #1

Description: This is a mesic/wet ditch mix that combines natives and already-present non-native species. The mix reaches a height of 36 inches, with taller accents. In areas with higher salinity, plant heights will be shorter. This is a general purpose mix for use in roadside ditches that are subject to road de-icing salts, experience drought conditions, and generally have poor soils.

Common Name	Scientific Name	Quantity (lbs/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.000
Chufa	<i>Cyperus esculentus</i>	0.500
Barnyard grass	<i>Echinochloa crus-galli</i>	1.000
Foxtail barley	<i>Hordeum jubatum</i>	0.063
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Knee grass	<i>Panicum dichotomiflorum</i>	2.000
Subtotal		40.563
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	4.000
Redtop	<i>Agrostis alba</i>	5.000
Bentgrass	<i>Agrostis alba palustris</i>	5.000
Fringed brome	<i>Bromus ciliatus</i>	1.500
Virginia wildrye	<i>Elymus virginicus</i>	4.000
Marsh bluegrass	<i>Poa palustris</i>	5.000
Alkali grass	<i>Puccinellia distans</i>	10.000
Subtotal		34.500
SEDGES, RUSHES, AND REEDS		
Large yellow fox sedge	<i>Carex annectans</i>	0.063
Nebraska sedge	<i>Carex nebrascensis</i>	0.063
Expressway sedge	<i>Carex praegracilis</i>	0.063
Awl-fruited sedge	<i>Carex stipata</i>	0.063
Fox sedge	<i>Carex vulpinoidea</i>	0.063
Slender spikerush	<i>Eleocharis acicularis</i>	0.063
Baltic rush	<i>Juncus balticus</i>	0.006
Hardstem bulrush	<i>Scirpus acutus</i>	0.125
Dark green rush	<i>Scirpus atrovirens</i>	0.125
Woolgrass	<i>Scirpus cyperinus</i>	0.125
Alkali bulrush	<i>Scirpus paludosus</i>	0.063
Common three-square	<i>Scirpus pungens</i>	0.125
Subtotal		0.947
PERENNIALS/FORBES		
Swamp milkweed	<i>Asclepias incarnata</i>	0.063
New England aster	<i>Aster novae-angliae</i>	0.063

Common Name	Scientific Name	Quantity (lbs/ac)
Flat-top aster	<i>Aster umbellatus</i>	0.031
Nodding bur marigold	<i>Bidens cernua</i>	0.125
Tallswamp marigold	<i>Bidens coronata</i>	0.125
Common beggar's-ticks	<i>Bidens frondosa</i>	0.063
Tall beggar's-ticks	<i>Bidens vulgata</i>	0.063
Illinois tick trefoil	<i>Desmodium canadense</i>	0.063
Common sneezeweed	<i>Helenium autumnale</i>	0.125
Oxeye sunflower	<i>Helopsis helianthoides</i>	0.063
Foxglove penstemon	<i>Penstemon digitalis</i>	0.063
Purple prairie clover	<i>Petalostemum purpureum</i>	0.063
Water pepper	<i>Polygonum hydropiper</i>	0.006
Sago pondweed	<i>Potamogeton pectinatus</i>	0.031
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.063
Lake goldenrod	<i>Solidago gigantea</i>	0.063
Blue vervain	<i>Verbena hastata</i>	0.125
<i>Subtotal</i>		1.198
TOTAL		77.208

Recommended Plants for Lake Calumet Landscaping

Wet-Mesic Prairie Mix #2

Description: This mix is suitable for sites where water ponds after rainfall but draws down to wet-mesic conditions within 24 hours of rainfall. The mix emphasizes medium-profile grasses and grass-like plants, with accents of taller flowers and grasses, that will provide resistance to flowing water, improve water quality, and stabilize the soil. This mix is not suitable for areas that receive the majority of their runoff from streets or parking lots. The mix reaches a height of 18 to 36 inches and will perform best in areas that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
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SEED MATRIX & COVER CROP

Bentgrass	<i>Agrostis alba palustris</i>	3.000
Seed oats	<i>Avena sativa</i>	32.00
Spikerush, various species, equal proportions	<i>Eleocharis acicularis</i>	0.125
	<i>Eleocharis erythropoda</i>	
	<i>Eleocharis palustris major</i>	
Canada wildrye	<i>Elymus canadensis</i>	1.000
Rice cutgrass	<i>Leersia oryzoides</i>	0.125
Annual ryegrass	<i>Lolium multiflorum</i>	3.000
Gray headed coneflower	<i>Ratibida pinnata</i>	0.250
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Subtotal		39.688

GRASSES

Slender wheatgrass	<i>Agropyron trachycaulum</i>	400
Big bluestem	<i>Andropogon gerardii</i>	50
Bluejoint reedgrass	<i>Calamagrostis canadensis</i>	150
Virginia wildrye	<i>Elymus virginicus</i>	300
Prairie switchgrass	<i>Panicum virgatum</i>	100
Marsh bluegrass	<i>Poa palustris</i>	50
Indiangrass	<i>Sorghastrum nutans</i>	50
Prairie cordgrass	<i>Spartina pectinata</i>	50
Subtotal		1,150

SEDGES, RUSHES, AND REEDS

Woolly sedge	<i>Carex lanuginosa (pellita)</i>	500
Fox sedge	<i>Carex vulpinoidea</i>	300
Rushes, various species, equal proportions	<i>Juncus dudleyi</i>	150
	<i>Juncus tenuis</i>	
	<i>Juncus torreyi</i>	
Woolgrass	<i>Scirpus cyperinus</i>	500
Red bulrush	<i>Scirpus pendulus</i>	500
Subtotal		1,950

PERENNIALS/FORBS

Common Name	Scientific Name	Quantity (plants or lbs/oc)
Canada anemone	<i>Anemone canadensis</i>	50
Swamp milkweed	<i>Asclepias incarnata</i>	100
Smooth blue aster	<i>Aster laevis</i>	50
New England aster	<i>Aster novae-angliae</i>	50
Illinois bundleflower	<i>Desmanthus illinoensis</i>	50
Pale purple coneflower	<i>Echinacea pallida</i>	50
Rattlesnake master	<i>Eryngium yuccifolium</i>	50
Common sneezeweed	<i>Helentium autumnale</i>	50
Oxeye sunflower	<i>Heliopsis helianthoides</i>	50
Round-headed bush clover	<i>Lespedeza capitata</i>	50
Gayfeather	<i>Liatris spicata</i>	100
Great blue lobelia	<i>Lobelia siphilitica</i>	100
Fringed loosestrife	<i>Lysimachia ciliata</i>	50
Wild bergamot	<i>Monarda fistulosa</i>	100
Obedient plant	<i>Physostegia virginiana speciosa</i>	150
Mountain mint	<i>Pycnanthemum virginianum</i>	200
Lake goldenrod	<i>Solidago gigantea</i>	150
Grass-leaved goldenrod	<i>Solidago graminifolia</i>	150
Ohio spiderwort	<i>Tradescantia ohioensis</i>	100
Golden Alexanders	<i>Zizia aurea</i>	100
Subtotal		1,750
TOTAL		4,850
		39,688

Recommended Plants for Lake Calumet Landscaping

Wet-Mesic Prairie Mix #3

Description: This mix emphasizes a diversity of medium-profile native grasses and flowers, with taller accents developing by autumn. This mix is suitable for most wet to mesic soil conditions associated with natural area restorations. The mix averages between 36 to 48 inches tall, with accents up to 66 inches and will perform best in areas that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (lbs/ac)
SHRUBS		
Leadplant	<i>Amorpha canescens</i>	0.125
<i>Subtotal</i>		0.125
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.000
Chufa	<i>Cyperus esculentus</i>	0.063
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	3.000
<i>Subtotal</i>		36.063
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	0.500
Bentgrass	<i>Agrostis alba palustris</i>	1.000
Big bluestem	<i>Andropogon gerardii</i>	0.500
Bluejoint reedgrass	<i>Calamagrostis canadensis</i>	0.095
Virginia wildrye	<i>Elymus virginicus</i>	1.000
Rice cutgrass	<i>Leersia oryzoides</i>	0.125
Prairie switchgrass	<i>Panicum virgatum</i>	0.250
Indiangrass	<i>Sorghastrum nutans</i>	1.000
<i>Subtotal</i>		4.470
SEDGES, RUSHES, AND REEDS		
Copper-shouldered oval sedge	<i>Carex bicknellii</i>	0.063
Fox sedge	<i>Carex vulpinoidea</i>	0.032
Dark green rush	<i>Scirpus atrovirens</i>	0.006
Woolgrass	<i>Scirpus cyperinus</i>	0.031
Red bulrush	<i>Scirpus pendulus</i>	0.063
Prairie cordgrass	<i>Spartina pectinata</i>	50 plants
<i>Subtotal</i>		0.195
PERENNIALS/FORBS		
Wingstem	<i>Actinomeris alternifolia</i>	0.063
Nodding wild onion	<i>Allium cernuum</i>	0.063
Swamp milkweed	<i>Asclepias incarnata</i>	0.032
Smooth blue aster	<i>Aster laevis</i>	0.016
New England aster	<i>Aster novae-angliae</i>	0.031

Recommended Plants for Lake Calumet Landscaping

Wet-Mesic Prairie Mix #4

Description: This mix was designed for partial shade/partial sun conditions as found along streambanks where mature trees partially shade the soil surface. Selected plant materials emphasize native grasses and wildflowers suited to wooded sites where soil and hydrologic conditions are relatively stable. Species in this mix are tolerant of dirty storm water and suited for varying moisture conditions ranging from saturated soils to areas receiving relatively frequent short-duration flooding.

Common Name	Scientific Name	Quantity (lbs/ac)
COVER CROP		
Redtop	<i>Agrostis alba</i>	1.500
Bentgrass	<i>Agrostis alba palustris</i>	3.000
Seed oats	<i>Avena sativa</i>	32.000
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	3.000
Knee grass	<i>Panicum dichotomiflorum</i>	0.500
Subtotal		41.000
GRASSES		
Big bluestem	<i>Andropogon gerardii</i>	2.000
Prairie brome	<i>Bromus kalmii</i>	0.016
Ear-leaved brome	<i>Bromus latiglumis</i>	0.031
Bluejoint reedgrass	<i>Calamagrostis canadensis</i>	0.095
Common wood reed	<i>Cinna arundinacea</i>	0.094
Beak grass	<i>Diarrhena americana</i>	0.031
Silky wildrye	<i>Elymus villosus</i>	0.063
Virginia wildrye	<i>Elymus virginicus</i>	0.188
Fowl mannagrass	<i>Glyceria striata</i>	0.031
Bottlebrush grass	<i>Hystrix patula</i>	0.016
Rice cutgrass	<i>Leersia oryzoides</i>	0.250
Prairie switchgrass	<i>Panicum virgatum</i>	0.250
Indiangrass	<i>Sorghastrum nutans</i>	1.500
Prairie cordgrass	<i>Spartina pectinata</i>	100 plants
Subtotal		4.565
SEDGES, RUSHES, AND REEDS		
Common wood sedge	<i>Carex blanda</i>	0.125
Fringed sedge	<i>Carex crinita</i>	
Crested oval sedge	<i>Carex cristatella</i>	
Bristly cattail sedge	<i>Carex frankii</i>	
Porcupine sedge	<i>Carex hystericina</i>	
Common bur sedge	<i>Carex grayi</i>	
Lake sedge	<i>Carex lacustris</i>	
Common hop sedge	<i>Carex lupulina</i>	
Swamp oval sedge	<i>Carex muskingumensis</i>	

Common Name	Scientific Name	Quantity (lbs/ac)
Wild goldenglow	<i>Rudbeckia lacinata</i>	0.063
Sweet black-eyed Susan	<i>Rudbeckia subtomentosa</i>	0.063
Brown-eyed Susan	<i>Rudbeckia triloba</i>	0.063
Cupplant	<i>Silphium perfoliatum</i>	0.063
Narrowleaf goldenrod	<i>Solidago graminifolia</i>	0.032
Old-field goldenrod	<i>Solidago nemoralis</i>	0.032
Germander	<i>Teucrium canadense</i>	0.063
Blue vervain	<i>Verbena hastata</i>	0.015
Tall ironweed	<i>Vernonia altissima</i>	0.125
Golden Alexanders	<i>Zizia aurea</i>	0.032
<i>Subtotal</i>		2.424
TOTAL		49.93
		100 plants

Recommended Plants for Lake Calumet Landscaping

Wet-Mesic Prairie Mix #5

Description: This mix is suitable for sites where water ponds after rainfall but draws down to wet-mesic conditions within 24 hours of rainfall. The mix emphasizes medium-profile grasses and grass-like plants, with accents of taller flowers and grasses, that will provide resistance to flowing water, improve water quality, and stabilize the soil. This mix is suitable for areas that receive the majority of their runoff from parking lots. The mix reaches a height of 18 to 36 inches, with scattered accents up to 54 inches, and will perform best in areas that receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (plants/900 s.f.)
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	50
Virginia wildrye	<i>Elymus virginicus</i>	25
Prairie switchgrass	<i>Panicum virgatum</i>	10
Subtotal		85
SEDGES, RUSHES, AND REEDS		
Large yellow fox sedge	<i>Carex annectans</i>	25
Wooly sedge	<i>Carex lanuginosa (pellita)</i>	25
Awl-fruited sedge	<i>Carex stipata</i>	25
Fox sedge	<i>Carex vulpinoidea</i>	25
Baltic rush	<i>Juncus balticus</i>	25
Dudley's rush	<i>Juncus dudleyi</i>	25
Dark green rush	<i>Scirpus atrovirens</i>	50
Subtotal		200
PERENNIALS/FORBS		
Swamp milkweed	<i>Asclepias incarnata</i>	10
New England aster	<i>Aster novae-angliae</i>	15
Rattlesnake master	<i>Eryngium yuccifolium</i>	10
Common sneezeweed	<i>Helenium autumnale</i>	15
Great blue lobelia	<i>Lobelia siphilitica</i>	15
Obedient plant	<i>Physostegia virginiana speciosa</i>	10
Mountain mint	<i>Pycnanthemum virginianum</i>	15
Blue vervain	<i>Verbena hastata</i>	15
Golden Alexanders	<i>Zizia aurea</i>	15
Subtotal		120
TOTAL		405

Recommended Plants for Lake Calumet Landscaping

Wet Prairie Mix #1

Description: This mix emphasizes native plant diversity and was developed for use on hydric soils and for wetland restorations where relatively stable, clean-water conditions provide saturation to the soil surface during spring. This mix is not recommended for use on sites with fluctuating, dirty-water conditions or areas subject to de-icing salts. The mix reaches a height of 24 to 48 inches and will perform best where plants receive a half-day to a full day of sun.

Common Name	Scientific Name	Quantity (lbs or plants/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.000
Chufa	<i>Cyperus esculentus</i>	0.063
Virginia wildrye	<i>Elymus virginicus</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	2.000
Subtotal		35.063
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	0.500
Bentgrass	<i>Agrostis alba palustris</i>	2.000
Big bluestem	<i>Andropogon gerardii</i>	0.250
Bluejoint reedgrass	<i>Calamagrostis canadensis</i>	0.188
Fowl mannagrass	<i>Glyceria striata</i>	0.125
Rice cutgrass	<i>Leersia oryzoides</i>	1.000
Prairie cordgrass	<i>Spartina pectinata</i>	50 plants
Subtotal		4.063
SEDGES, RUSHES, AND REEDS		
Bebb's sedge	<i>Carex bebbii</i>	0.125
Porcupine sedge	<i>Carex hystericina</i>	0.188
Wooly sedge	<i>Carex lanuginosa (pellita)</i>	0.063
Lance-fruited oval sedge	<i>Carex scoparia</i>	0.063
Awl-fruited sedge	<i>Carex stipata</i>	0.188
Tussock sedge	<i>Carex stricta</i>	0.063
Fox sedge	<i>Carex vulpinoidea</i>	0.125
Rushes, various species, equal proportions	<i>Juncus dudleyi</i>	0.188
	<i>Juncus nodosus</i>	
	<i>Juncus torreyi</i>	
Dark green rush	<i>Scirpus atrovirens</i>	0.250
Woolgrass	<i>Scirpus cyperinus</i>	0.188
Red bulrush	<i>Scirpus pendulus</i>	0.188
Subtotal		1.629
PERENNIALS/FORBS		
Wingstem	<i>Actinomeris alternifolia</i>	0.016
Water plantain	<i>Alisma subcordatum</i>	0.188

Common Name	Scientific Name	Quantity (lbs or plants/ac)
Swamp milkweed	<i>Asclepias incarnata</i>	0.125
New England aster	<i>Aster novae-angliae</i>	0.063
Shining aster	<i>Aster puniceus</i>	0.063
Panicled aster	<i>Aster simplex</i>	0.031
Nodding bur marigold	<i>Bidens cernua</i>	0.031
Tall swamp marigold	<i>Bidens coronata</i>	0.063
False aster	<i>Boltonia latissquama</i>	0.031
Marsh marigold	<i>Caltha palustris</i>	0.016
Cinnamon willow herb	<i>Epilobium coloratum</i>	0.006
Fireweed	<i>Erechtites hieracifolia</i>	0.006
Common boneset	<i>Eupatorium perfoliatum</i>	0.063
Bottle gentian	<i>Gentiana andrewsii</i>	0.016
Common sneezeweed	<i>Helenium autumnale</i>	0.125
Blue flag	<i>Iris virginica shrevei</i>	0.063
Gayfeather	<i>Liatris spicata</i>	0.188
Fog fruit	<i>Lippia lanceolata</i>	0.016
Cardinal flower	<i>Lobelia cardinalis</i>	0.006
Great blue lobelia	<i>Lobelia siphilitica</i>	0.031
Water horehound	<i>Lycopus americanus</i>	0.031
Fringed loosestrife	<i>Lysimachia ciliata</i>	0.031
Wild mint	<i>Mentha arvensis</i>	0.063
Monkey flower	<i>Mimulus ringens</i>	0.063
Obedient plant	<i>Physostegia virginiana speciosa</i>	0.031
Smartweed, various species, equal proportions	<i>Polygonum hydropiper</i> <i>Polygonum hydropiperoides</i>	0.156
Mountain mint	<i>Pycnanthemum virginianum</i>	0.031
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Wild goldenglow	<i>Rudbeckia laciniata</i>	0.031
Mad-dog skullcap	<i>Scutellaria lateriflorus</i>	0.125
Cupplant	<i>Silphium perfoliatum</i>	0.125
Lake goldenrod	<i>Solidago gigantea</i>	0.016
Narrowleaf goldenrod	<i>Solidago graminifolia</i>	0.125
Blue vervain	<i>Verbena hastata</i>	0.063
Tall ironweed	<i>Vernonia fasciculata</i>	0.063
Golden Alexanders	<i>Zizia aurea</i>	0.031
Subtotal		2.320
TOTAL		43.08
		50 plants

Recommended Plants for Lake Calumet Landscaping

Wet Prairie Mix #2

Description: This is a saturated soil/wet shoreline mix that emphasizes native wetland species adapted to fluctuating, dirty-water conditions typical to urban shorelines, whether in a detention basin or along a non-wooded stream margin. The mix reaches a height of 24 to 36 inches, with accents of taller plants.

Common Name	Scientific Name	Quantity (lbs/ac)
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.000
Chufa	<i>Cyperus esculentus</i>	0.188
Canada wildrye	<i>Elymus canadensis</i>	0.188
Annual ryegrass	<i>Lolium multiflorum</i>	2.000
Subtotal		34.376
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	0.500
Redtop	<i>Agrostis alba</i>	0.500
Bentgrass	<i>Agrostis alba palustris</i>	3.000
Bluejoint reedgrass	<i>Calamagrostis canadensis</i>	0.188
Virginia wildrye	<i>Elymus virginicus</i>	0.063
Fowl mannagrass	<i>Glyceria striata</i>	0.125
Rice cutgrass	<i>Leersia oryzoides</i>	0.125
Subtotal		4.501
SEDGES, RUSHES, AND REEDS		
Large yellow fox sedge	<i>Carex annectans</i>	0.063
Bebb's sedge	<i>Carex hebbii</i>	0.063
Bottlebrush sedge	<i>Carex comosa</i>	0.125
Crested oval sedge	<i>Carex cristatella</i>	0.063
Lance-fruited oval sedge	<i>Carex scoparia</i>	0.063
Awl-fruited sedge	<i>Carex stipata</i>	0.125
Fox sedge	<i>Carex vulpinoidea</i>	0.250
Spikerush, various species, equal proportions	<i>Eleocharis acicularis</i>	0.25
	<i>Eleocharis erythropoda</i>	
	<i>Eleocharis obtusa</i>	
	<i>Eleocharis palustris major</i>	
Rushes, various species, equal proportions	<i>Juncus dudleyi</i>	0.063
	<i>Juncus tenuis</i>	
	<i>Juncus torreyi</i>	
Dark green rush	<i>Scirpus atrovirens</i>	0.141
Woolgrass	<i>Scirpus cyperinus</i>	0.063
River bulrush	<i>Scirpus fluviatilis</i>	0.063
Red bulrush	<i>Scirpus pendulus</i>	0.125
Common burreed	<i>Sparganium eurycarpum</i>	1.000

Common Name	Scientific Name	Quantity (lbs/ac)
<i>Subtotal</i>		2.457
PERENNIALS/FORBS		
Water plantain	<i>Allisma subcordatum</i>	0.141
Swamp milkweed	<i>Asclepias incarnata</i>	0.141
New England aster	<i>Aster novae-angliae</i>	0.063
Panicled aster	<i>Aster simplex</i>	0.031
Nodding bur marigold	<i>Bidens cernua</i>	0.031
Common beggar's-ticks	<i>Bidens frondosa</i>	0.031
False aster	<i>Boltonia latisquama</i>	0.141
Cinnamon willow herb	<i>Epilobium coloratum</i>	0.031
Fireweed	<i>Erechtites hieracifolia</i>	0.015
Spotted Joe Pye weed	<i>Eupatorium maculatum</i>	0.125
Common boneset	<i>Eupatorium perfoliatum</i>	0.063
Common sneezeweed	<i>Helenium autumnale</i>	0.250
Great blue lobelia	<i>Lobelia siphilitica</i>	0.094
Marsh purselane	<i>Ludwigia palustris</i>	0.001
Monkey flower	<i>Mimulus ringens</i>	0.031
Ditch stonecrop	<i>Penthorum sedoides</i>	0.001
Obedient plant	<i>Physostegia virginiana speciosa</i>	0.094
Smartweed, various species, equal proportions	<i>Polygonum amphibium stipulaceum</i>	0.063
	<i>Polygonum hydropiper</i>	
	<i>Polygonum lapathifolium</i>	
Mountain mint	<i>Pycnanthemum virginianum</i>	0.016
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.188
Wild goldenglow	<i>Rudbeckia laciniata</i>	0.125
Common arrowhead	<i>Sagittaria latifolia</i>	0.141
Cupplant	<i>Silphium perfoliatum</i>	0.063
Lake goldenrod	<i>Solidago gigantea</i>	0.031
Blue vervain	<i>Verbena hastata</i>	0.125
Tall ironweed	<i>Vernonia fasciculata</i>	0.063
<i>Subtotal</i>		2.099
TOTAL		43.43

Recommended Plants for Lake Calumet Landscaping

Emergent Marsh Mix #1

Description: This is an emergent mix that emphasizes native species but includes already-present non-native species. This mix is suitable for roadside ditch conditions that experience poor water quality due to de-icing salts, occasionally experience drought conditions, and generally have poor soils. The mix has variable height, with accent emergent plants reaching heights of approximately 60 inches but the majority being 36 inches or less.

Common Name	Scientific Name	Quantity (lbs or plants/ac)	Water Depth		
			0-4 in.	4-12 in.	>12 in.
COVER CROP & GRASSES					
Redtop	<i>Agrostis alba</i>	1,500	x		
Bentgrass	<i>Agrostis alba palustris</i>	3,000	x		
Chufa	<i>Cyperus esculentus</i>	0.250	x		
Barnyard grass	<i>Echinochloa crus-galli</i>	0.125	x		
Needle spikerush	<i>Eleocharis acicularis</i>	0.250	x		
Subtotal		5,125			
SEDGES, RUSHES, AND REEDS					
Fox sedge	<i>Carex vulpinoidea</i>	300	x		
Giant spikerush	<i>Eleocharis palustris major</i>	300	x		
Baltic rush	<i>Juncus balticus</i>	200	x		
Hardstem bulrush	<i>Scirpus acutus</i>	200	x	x	
Dark green rush	<i>Scirpus atrovirens</i>	800	x		
River bulrush	<i>Scirpus fluviatilis</i>	100	x	x	
Alkali bulrush	<i>Scirpus paludosus</i>	800			
Common three-square	<i>Scirpus pungens</i>	500	x		
Subtotal		3,200			
PERENNIALS/FORBS					
Sweet flag	<i>Acorus calamus</i>	100	x		
Blue flag	<i>Iris virginica shrevei</i>	200	x	x	
Arrow arum	<i>Peltandra virginica</i>	100		x	x
Sago pondweed	<i>Potamogeton pectinatus</i>	150		x	x
White water crowfoot	<i>Ranunculus longirostris</i>	150		x	x
Common arrowhead	<i>Sagittaria latifolia</i>	100	x	x	
Subtotal		800			
TOTAL		4,000	plugs/ac		
		5.13	lbs/ac		

Recommended Plants for Lake Calumet Landscaping

Emergent Marsh Mix #2

Description: This is an emergent mix that emphasizes native species adapted to fluctuating, dirty-water conditions typical to urban wetlands. The mix has variable height, with taller emergent plants reaching heights of approximately 60 inches but the majority being 36 inches or less. It is suitable for stormwater basin conditions.

Common Name	Scientific Name	Quantity (lbs or plants/ac)	Water Depth		
			0-4 in.	4-12 in.	>12 in.
COVER CROP & GRASSES					
Redtop	<i>Agrostis alba</i>	1,500	x		
Bentgrass	<i>Agrostis alba palustris</i>	3,000	x		
Chufa	<i>Cyperus esculentus</i>	0.250	x		
Barnyard grass	<i>Echinochloa crus-galli</i>	0.125	x		
Fowl mannagrass	<i>Glyceria striata</i>	0.125	x		
Rice cutgrass	<i>Leersia oryzoides</i>	0.188	x		
Subtotal		5,188			
SEDGES, RUSHES, AND REEDS					
Bottlebrush sedge	<i>Carex comosa</i>	200	x		
Soft rush	<i>Juncus effusus</i>	200	x	x	
Hardstem bulrush	<i>Scirpus acutus</i>	300	x	x	
Dark green rush	<i>Scirpus atrovirens</i>	300	x		
River bulrush	<i>Scirpus fluviatilis</i>	200	x	x	
Common three-square	<i>Scirpus pungens</i>	300	x		
Softstem bulrush	<i>Scirpus validus creber</i>	300	x	x	
Common burreed	<i>Sparganium eurycarpum</i>	300	x	x	
Subtotal		2,100			
PERENNIALS/FORBS					
Sweet flag	<i>Acorus calamus</i>	200	x		
Coontail	<i>Ceratophyllum demersum</i>	100			x
Blue flag	<i>Iris virginica shrevei</i>	200	x	x	
Arrow arum	<i>Peltandra virginica</i>	200			x
Water smartweed	<i>Polygonum amphibium</i>	100	x	x	
Pickernelweed	<i>Pontederia cordata</i>	100		x	
American pondweed	<i>Potamogeton nodosus</i>	200		x	x
Sago pondweed	<i>Potamogeton pectinatus</i>	200		x	x
White water crowfoot	<i>Ranunculus longirostris</i>	200		x	x
Common arrowhead	<i>Sagittaria latifolia</i>	300	x	x	
Wild celery	<i>Vallisneria americana</i>	100			x
Subtotal		1,900			
TOTAL		4,000	plugs/ac		
		5.56	lbs/ac		

Recommended Plants for Lake Calumet Landscaping

Emergent Marsh Mix #3

Description: This mix emphasizes medium-height wetland grasses and grass-like plants suitable for areas with saturated soils to very shallow standing water (1 inch or less) where vegetation must provide resistance to flowing water, improve water quality, and stabilize the soil. This mix reaches heights between 18 to 36 inches and will perform best in areas that receive a half-day to a full day of sun. This mix is not suitable for areas that receive the majority of their runoff from streets or parking lots.

Common Name	Scientific Name	Quantity (lbs or plants/ac)
SEED MATRIX & COVER CROP		
Redtop	<i>Agrostis alba</i>	3.000
Bentgrass	<i>Agrostis alba palustris</i>	5.000
Water plantain	<i>Alisma subcordatum</i>	0.063
Chufa	<i>Cyperus esculentus</i>	0.250
Barnyard grass	<i>Echinochloa crus-galli</i>	0.125
Spikerush, various species, equal proportions	<i>Eleocharis acicularis</i>	0.125
	<i>Eleocharis erythropoda</i>	
	<i>Eleocharis palustris major</i>	
Rice cutgrass	<i>Leersia oryzoides</i>	0.125
Fog fruit	<i>Lippia lanceolata</i>	0.006
Ditch stonecrop	<i>Penthorum sedoides</i>	0.006
Blue vervain	<i>Verbena hastata</i>	0.125
Subtotal		8.825
GRASSES		
Slender wheatgrass	<i>Agropyron trachycaulum</i>	300
Bluejoint reedgrass	<i>Calmagrostis canadensis</i>	250
Fowl mannagrass	<i>Glyceria striata</i>	200
Subtotal		750
SEDGES, RUSHES, AND REEDS		
Brown fox sedge	<i>Carex annectans</i>	150
Bottlebrush sedge	<i>Carex comosa</i>	300
Riverbank sedge	<i>Carex emoryi</i>	400
Broad-leaved wooly sedge	<i>Carex pellita</i>	400
Fox sedge	<i>Carex vulpinoidea</i>	500
Dudley's rush	<i>Juncus dudleyi</i>	300
Soft rush	<i>Juncus effusus</i>	250
Dark green rush	<i>Scirpus atrovirens</i>	500
Common three-square	<i>Scirpus pungens</i>	400
Common burreed	<i>Sparganium eurycarpum</i>	150
Subtotal		3,350
PERENNIALS/FORBBS		
Sweet flag	<i>Acorus calamus</i>	150

Common Name	Scientific Name	Quantity (lbs or plants/ac)
Sneezeweed	<i>Helenium autumnale</i>	150
Blue flag	<i>Iris virginica shrevei</i>	150
Great blue lobelia	<i>Lobelia siphilitica</i>	150
Monkey flower	<i>Mimulus ringens</i>	150
Subtotal		750
TOTAL		4,850
		8.825

Recommended Plants for Lake Calumet Landscaping

Emergent Marsh Mix #4

Common Name	Scientific Name	Quantity (plants/ac)	Water Depth		
			0-4 in.	4-12 in.	>12 in.
Description: This mix was developed for use on hydric soils associated with wetland restorations and enhancements. It emphasizes diverse emergent native plants and ranges in height from approximately 24 to 60 inches. This mix will perform best in areas with stable hydrology and clean water where plants receive at least a half day of sunlight.					
GRASSES					
Bluejoint reedgrass	<i>Calmagrostis canadensis</i>	250	x		
Fowl mannagrass	<i>Glyceria striata</i>	200	x		
Rice cutgrass	<i>Leersia oryzoides</i>	250	x		
SEDGES, RUSHES, AND REEDS					
Bottlebrush sedge	<i>Carex comosa</i>	150	x		
Lake sedge	<i>Carex lacustris</i>	100	x		
Tussock sedge	<i>Carex stricta</i>	150	x	x	
Marsh spikerush	<i>Eleocharis palustris</i>	100	x		
Soft rush	<i>Juncus effusus</i>	200	x	x	
Hardstem bulrush	<i>Scirpus acutus</i>	200	x	x	
Dark green rush	<i>Scirpus atrovirens</i>	200	x		
River bulrush	<i>Scirpus fluviatilis</i>	150	x	x	
Common three-square	<i>Scirpus pungens</i>	200	x		
Softstem bulrush	<i>Scirpus validus creber</i>	150	x	x	
Common burreed	<i>Sparganium eurycarpum</i>	200	x	x	
PERENNIALS/FORBS					
Sweet flag	<i>Acorus calamus</i>	150	x		
Water plantain	<i>Alisma subcordatum</i>	100			
Swamp milkweed	<i>Asclepias incarnata</i>	100			
Coontail	<i>Ceratophyllum demersum</i>	100			x
Blue flag	<i>Iris virginica shrevei</i>	100	x	x	
Yellow pond lily	<i>Nuphar advena</i>	50			x
Arrow arum	<i>Peltandra virginica</i>	100			x
Water smartweed	<i>Polygonum amphibium</i>	50	x	x	
Pickeralweed	<i>Pontederia cordata</i>	100		x	
American pondweed	<i>Potamogeton nodosus</i>	50		x	x
Sago pondweed	<i>Potamogeton pectinatus</i>	50		x	x
White water crowfoot	<i>Ranunculus longirostris</i>	50		x	x
Common arrowhead	<i>Sagittaria latifolia</i>	150	x	x	
Wild celery	<i>Vallisneria americana</i>	100			x
TOTAL		3,750	plugs/ac		

Recommended Plants for Lake Calumet Landscaping

Woody Plant List #1

This list indicates woody plant materials appropriate for natural areas with wet to mesic soil conditions, whether in woodland or savanna. The list emphasizes native woody plants tolerant of a range of soil types and sun/shade conditions. Non-native and horticultural varieties of native woody plantings should be avoided unless specifically included in this list. Not all indicated species will perform well over the range of moisture conditions indicated. Some species should be installed only where wet conditions occur; others only where mesic conditions occur.

Common Name	Scientific Name
OVERSTORY TREES	
Silver maple	<i>Acer saccharinum</i>
Sugar maple	<i>Acer saccharum</i>
Ohio buckeye	<i>Aesculus glabra</i>
Bitternut hickory	<i>Carya cordiformis</i>
Shagbark hickory	<i>Carya ovata</i>
Hackberry	<i>Celtis occidentalis</i>
White ash	<i>Fraxinus americana</i>
Blue ash	<i>Fraxinus quadrangulata</i>
Kentucky coffee tree	<i>Gymnocladus dioica</i>
Butternut	<i>Juglans cinerea</i>
Black walnut	<i>Juglans nigra</i>
Sycamore	<i>Platanus occidentalis</i>
Eastern cottonwood	<i>Populus deltoides</i>
Wild black cherry	<i>Prunus serotina</i>
Swamp white oak	<i>Quercus bicolor</i>
Shingle oak	<i>Quercus imbricaria</i>
Bur oak	<i>Quercus macrocarpa</i>
Northern red oak	<i>Quercus rubra</i>
Black willow	<i>Salix nigra</i>
Basswood	<i>Tilia americana</i>
Slippery elm	<i>Ulmus rubra</i>
INTERMEDIATE TREES	
Shadblow serviceberry	<i>Amelancier arborea/canadensis</i>
River birch	<i>Betula nigra</i>
Hophornbeam	<i>Carpinus caroliniana</i>
Northern redbud	<i>Cercis canadensis</i>
Alternate-leaved dogwood	<i>Cornus alternifolia</i>
Cockspur hawthorn	<i>Crataegus crus-galli</i>
Thornless hawthorn	<i>Crataegus crus-galli inermis</i>
Downy hawthorn	<i>Crataegus mollis</i>

Common Name	Scientific Name
Burning bush	<i>Euonymus atropurpureus</i>
Wild plum	<i>Prunus americana</i>
Nannyberry	<i>Viburnum lentago</i>
Blackhaw	<i>Viburnum prunifolium</i>
SHRUBS	
False indigo	<i>Amorpha fruticosa</i>
Buttonbush	<i>Cephalanthus occidentalis</i>
Silky dogwood	<i>Cornus amomum/obliqua</i>
Red-osier dogwood	<i>Cornus sericea/stolonifera</i>
Winterberry	<i>Ilex verticillata</i>
Spicebush	<i>Lindera benzoin</i>
Ninebark	<i>Physocarpus opulifolius</i>
Staghorn sumac	<i>Rhus typhina</i>
Amer. black currant	<i>Ribes americanum</i>
Prickly wild gooseberry	<i>Ribes cynobasti</i>
Wild gooseberry	<i>Ribes missouriensis</i>
Peachleaf willow	<i>Salix amygdaloides</i>
Pussy willow	<i>Salix discolor</i>
Elderberry	<i>Sambucus canadensis</i>
Meadowsweet	<i>Spirea alba</i>
Highbush cranberry viburnum	<i>Viburnum trilobum</i>

Recommended Plants for Lake Calumet Landscaping

Woody Plant List #2

This list contains woody plant materials suitable for installation in parkways, parking lots, and fence cuts, as well as screening plantings. The list emphasizes native plants tolerant of urban conditions associated with de-icing salts, drought conditions, poor (compacted) soils and low soil oxygen. Selected non-native and horticultural varieties have been included for improved color, for diversity, to achieve screening density, and to provide transition to the foundation plantings. Such species have a "natural" character consistent with the overall visual design and character of the area.

Common Name	Scientific Name
OVERSTORY TREES	
Sugar maple	<i>Acer saccharum</i>
"Green Mountain" sugar maple	<i>Acer saccharum</i> "Green Mountain"
Hackberry	<i>Celtis occidentalis</i>
White ash	<i>Fraxinus americana</i>
Kentucky coffee tree	<i>Gymnocladus dioica</i>
American larch	<i>Larix laricina</i>
Sycamore	<i>Platanus occidentalis</i>
White oak	<i>Quercus alba</i>
Swamp white oak	<i>Quercus bicolor</i>
Bur oak	<i>Quercus macrocarpa</i>
Northern red oak	<i>Quercus rubra/borealis</i>
Basswood	<i>Tilia americana</i>
INTERMEDIATE TREES	
Shadblow serviceberry	<i>Amelanchier arborea/canadensis</i>
River birch	<i>Betula nigra</i>
Cockspur hawthorn	<i>Crataegus crus-galli</i>
Thornless hawthorn	<i>Crataegus crus-galli inermis</i>
Eastern hophornbeam	<i>Ostrya virginiana</i>
Nannyberry	<i>Viburnum lentago</i>
Blackhaw	<i>Viburnum prunifolium</i>
EVERGREEN TREES	
White fir	<i>Abies concolor</i>
Eastern red cedar	<i>Juniperus virginiana</i>
Scotch pine	<i>Pinus sylvestris</i>
Douglas fir	<i>Pseudotsuga menziesii</i>
DECIDUOUS SHRUBS	
Red chokeberry	<i>Aronia arbutifolia</i>
Black chokeberry	<i>Aronia melanocarpa</i>
Buttonbush	<i>Cephalanthus occidentalis</i>
Red-osier dogwood	<i>Cornus sericea/stolonifera</i>
"Isanti" redbud dogwood	<i>Cornus sericea</i> "Isanti"

Common Name	Scientific Name
Kalm's St. Johnswort	<i>Hypericum kalmianum</i>
Winterberry	<i>Ilex verticillata</i>
Ninebark	<i>Physocarpus opulifolius</i>
Dwarf fragrant sumac	<i>Rhus aromatica</i> "Gro-low"
Shining sumac	<i>Rhus copallina</i>
Smooth sumac	<i>Rhus glabra</i>
Skunkbush sumac	<i>Rhus triloba</i>
Staghorn sumac	<i>Rhus typhina</i>
"Carefree Beauty" shrub rose	<i>Rosa</i> "Carefree Beauty"
"Pink Meidiland" shrub rose	<i>Rosa</i> "Pink Meidiland"
"Red Meidiland" shrub rose	<i>Rosa</i> "Red Meidiland"
"Scarlet Meidiland" shrub rose	<i>Rosa</i> "Scarlet Meidiland"
"Nearly Wild" shrub rose	<i>Rosa</i> "Nearly Wild"
Elderberry	<i>Sambucus canadensis</i>
Arrowwood viburnum	<i>Viburnum dentatum</i>
"Autumn jazz" arrowwood viburnum	<i>Viburnum dentatum</i> "Autumn Jazz"
"Chicago Lustre" arrowwood viburnum	<i>Viburnum dentatum</i> "Chicago Lustre"
"Compactum" Highbush cranberry viburnum	<i>Viburnum trilobum</i> "Compactum"
"Hahs" highbush cranberry viburnum	<i>Viburnum trilobum</i> "Hahs"

Recommended Plants for Lake Calumet Landscaping

Woody Plant List #3

This list indicates woody plant materials appropriate for use along roadsides. The list emphasizes native woody plants that are tolerant of urban conditions associated with road de-icing salts, drought conditions, and poor (compacted) soils and low soil oxygen. Selected non-native and horticultural varieties of native woody plantings have been included to provide diversity; they should be used only when it can be demonstrated that native plants are not suitable for site-specific conditions.

Common Name	Scientific Name
OVERSTORY TREES	
Sugar maple	<i>Acer saccharum</i>
"Green Mountain" sugar maple	<i>Acer saccharum</i> "Green Mountain"
Hackberry	<i>Celtis occidentalis</i>
White ash	<i>Fraxinus americana</i>
Kentucky coffee tree	<i>Gymnocladus dioica</i>
Sycamore	<i>Platanus occidentalis</i>
White oak	<i>Quercus alba</i>
Swamp white oak	<i>Quercus bicolor</i>
Northern red oak	<i>Quercus rubra/borealis</i>
Basswood	<i>Tilia americana</i>
INTERMEDIATE TREES	
Nannyberry	<i>Viburnum lentago</i>
Blackhaw	<i>Viburnum prunifolium</i>
DECIDUOUS SHRUBS	
Red chokeberry	<i>Aronia arbutifolia</i>
Black chokeberry	<i>Aronia melanocarpa</i>
Buttonbush	<i>Cephalanthus occidentalis</i>
Red-osier dogwood	<i>Cornus sericea/stolonifera</i>
"Isanti" redbud dogwood	<i>Cornus sericea</i> "Isanti"
Kalm's St. Johnswort	<i>Hypericum kalmianum</i>
Winterberry	<i>Ilex verticillata</i>
Ninebark	<i>Physocarpus opulifolius</i>
Dwarf fragrant sumac	<i>Rhus aromatica</i> "Gro-low"
Shining sumac	<i>Rhus copallina</i>
Smooth sumac	<i>Rhus glabra</i>
Skunkbush sumac	<i>Rhus triloba</i>
Staghorn sumac	<i>Rhus typhina</i>
Elderberry	<i>Sambucus canadensis</i>
Arrowwood viburnum	<i>Viburnum dentatum</i>
"Compactum" Highbush cranberry viburnum	<i>Viburnum trilobum</i> "Compactum"

Recommended Plants for Lake Calumet Landscaping

Woody Plant List #4

This list indicates woody plant materials appropriate for natural areas with mesic to dry soil conditions, whether in woodland or savanna. The list emphasizes native woody plants tolerant of variable sun and a range of soil types. Non-native and horticultural varieties of native woody plantings should be avoided unless specifically included in this list. Most species will perform well over the range of moisture conditions indicated.

Common Name	Scientific Name
OVERSTORY TREES	
Black maple	<i>Acer nigrum</i>
Sugar maple	<i>Acer saccharum</i>
Ohio buckeye	<i>Aesculus glabra</i>
Bitternut hickory	<i>Carya cordiformis</i>
Shagbark hickory	<i>Carya ovata</i>
Hackberry	<i>Celtis occidentalis</i>
White ash	<i>Fraxinus americana</i>
Blue ash	<i>Fraxinus quadrangulata</i>
Butternut	<i>Juglans cinerea</i>
Black walnut	<i>Juglans nigra</i>
Large-toothed aspen	<i>Populus grandidentata</i>
Quaking aspen	<i>Populus tremuloides</i>
Wild black cherry	<i>Prunus serotina</i>
White oak	<i>Quercus alba</i>
Swamp white oak	<i>Quercus bicolor</i>
Shingle oak	<i>Quercus imbricaria</i>
Bur oak	<i>Quercus macrocarpa</i>
Northern red oak	<i>Quercus rubra/borealis</i>
Black oak	<i>Quercus velutina</i>
Basswood	<i>Tilia americana</i>
Slippery elm	<i>Ulmus rubra</i>
INTERMEDIATE TREES	
Shadblow serviceberry	<i>Amelancier arborea/canadensis</i>
River birch	<i>Betula nigra</i>
Hophornbeam	<i>Carpinus caroliniana</i>
Northern redbud	<i>Cercis canadensis</i>
Alternate-leaved dogwood	<i>Cornus alternifolia</i>
Flowering dogwood	<i>Cornus florida</i>
Cockspur hawthorn	<i>Crataegus crus-galli</i>
Thornless hawthorn	<i>Crataegus crus-galli inermis</i>
Downy hawthorn	<i>Crataegus mollis</i>
Burning bush	<i>Euonymus atropurpureus</i>
Iowa crab	<i>Malus ioensis</i>
Eastern hophornbeam	<i>Ostrya virginiana</i>

Common Name	Scientific Name
Wild plum	<i>Prunus americana</i>
Wafer ash	<i>Ptelea trifoliata</i>
Nannyberry	<i>Viburnum lentago</i>
Blackhaw	<i>Viburnum prunifolium</i>
EVERGREEN TREES	
Eastern red cedar	<i>Juniperus virginiana</i>
SHRUBS	
False indigo	<i>Amorpha fruticosa</i>
Silky dogwood	<i>Cornus amomum/obliqua</i>
Red-osier dogwood	<i>Cornus sericea/stolonifera</i>
American hazelnut	<i>Corylus americana</i>
Witch hazel	<i>Hamamelis virginiana</i>
Winterberry	<i>Ilex verticillata</i>
Spicebush	<i>Lindera benzoin</i>
Red honeysuckle	<i>Lonicera dioica</i>
Fragrant sumac	<i>Rhus aromatica</i>
Shining sumac	<i>Rhus copallina</i>
Smooth sumac	<i>Rhus glabra</i>
Staghorn sumac	<i>Rhus typhina</i>
Prickly wild gooseberry	<i>Ribes cynobasti</i>
Wild gooseberry	<i>Ribes missouriense</i>
Illinois rose	<i>Rosa setigera</i>
Elderberry	<i>Sambucus canadensis</i>
Meadowsweet	<i>Spiraea alba</i>
Snowberry	<i>Symphoricarpos albus</i>
Wolfberry	<i>Symphoricarpos occidentalis</i>
Downy arrowwood	<i>Viburnum rafinesquianum</i>

Recommended Plants for Lake Calumet Landscaping

Woodland Mix

Description: This mix contains native woodland flowers and grasses adapted for semi-shady areas and will perform best in light to moderate shade. Plants in this mix will benefit from a few hours of sun each day. This mix is best suited woodlands on reasonably fertile, well-drained soils and should not be used for extremely dry sites or for wet sites.

Common Name	Scientific Name	Quantity (plants or lbs/ac)
SHRUBS		
	<i>Rosa blanda</i>	0.188
Subtotal		0.188
COVER CROP		
Seed oats	<i>Avena sativa</i>	32.00
Canada wildrye	<i>Elymus canadensis</i>	1.000
Annual ryegrass	<i>Lolium multiflorum</i>	5.000
Timothy	<i>Phleum pratense</i>	2.000
Subtotal		40.000
GRASSES		
Ear-leaved brome	<i>Bromus latiglumis</i>	0.031
Beak grass	<i>Diarrhenia americana</i>	0.031
Silky wildrye	<i>Elymus villosus</i>	0.125
Virginia wildrye	<i>Elymus virginicus</i>	2.000
Nodding fescue	<i>Festuca obtusa</i>	0.015
Bottlebrush grass	<i>Hystrix patula</i>	0.062
Subtotal		2.264
SEDGES, RUSHES, AND REEDS		
Common wood sedge	<i>Carex blanda</i>	0.062
Field oval sedge	<i>Carex molesta</i>	
Loose-headed oval sedge	<i>Carex projecta</i>	
Short's sedge	<i>Carex shortiana</i>	
Subtotal		0.062
PERENNIALS/FORBS		
Red baneberry	<i>Actaea rubra</i>	0.009
Wingstem	<i>Actinomeris alternifolia</i>	0.062
Wild leek	<i>Allium tricocum</i>	0.006
Canada anemone	<i>Anemone canadensis</i>	0.031
False rue anemone	<i>Anemonella thalictroides</i>	0.006
Wild columbine	<i>Aquilegia canadensis</i>	0.062
Jack-in-the-pulpit	<i>Arisaema triphyllum</i>	0.006
Sky blue aster	<i>Aster azureus</i>	0.031
Side-flower aster	<i>Aster lateriflorus</i>	0.062

Common Name	Scientific Name	Quantity (plants or lbs/ac)
New England aster	<i>Aster novae-angliae</i>	0.031
Arrowleaf aster	<i>Aster sagittifolius</i>	0.062
Aster shortii	<i>Aster shortii</i>	0.015
Tall bellflower	<i>Campanula americana</i>	0.006
Shooting star	<i>Dodecatheon meadia</i>	0.006
Purple coneflower	<i>Echinacea purpurea</i>	0.188
White snakeroot	<i>Eupatorium rugosum</i>	0.063
Wild geranium	<i>Geranium maculatum</i>	0.016
Great blue lobelia	<i>Lobelia siphilitica</i>	0.015
Virginia bluebells	<i>Mertensia virginiana</i>	0.032
Wild bergamot	<i>Monarda fistulosa</i>	0.032
Hairy sweet cicely	<i>Osmorrhiza claytonia</i>	0.016
Foxglove penstemon	<i>Penstemon digitalis</i>	0.015
Sweet William phlox	<i>Phlox divaricata</i>	0.031
Great Solomon's seal	<i>Polygonatum canaliculatum</i>	0.015
Mountain mint	<i>Pycnanthemum virginianum</i>	0.015
Gray headed coneflower	<i>Ratibida pinnata</i>	0.125
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.250
Sweet black-eyed Susan	<i>Rudbeckia subtomentosa</i>	0.063
Brown-eyed Susan	<i>Rudbeckia triloba</i>	0.031
Rosinweed	<i>Silphium integrifolium</i>	0.125
Cupplant	<i>Silphium perfoliatum</i>	0.125
False Solomon's seal	<i>Smilacina racemosa</i>	0.006
Old-field goldenrod	<i>Solidago nemoralis</i>	0.031
Stiff goldenrod	<i>Solidago rigida</i>	0.031
Elm-leafed goldenrod	<i>Solidago ulmifolia</i>	0.032
Germandere	<i>Teuchrium canadense</i>	0.063
Early meadow rue	<i>Thalictrum dioicum</i>	0.016
Foam flower	<i>Tiarella cordifolia</i>	0.009
Ohio spiderwort	<i>Tradescantia ohioensis</i>	0.032
Horse gentian	<i>Triosteum aurantiacum</i>	0.031
Hoary vervain	<i>Verbena stricta</i>	0.046
White vervain	<i>Verbena urticifolia</i>	0.125
Culver's root	<i>Veronicastrum virginicum</i>	0.031
Golden Alexanders	<i>Zizia aurea</i>	0.063
Subtotal		2.059
TOTALS		44.57

Recommended Plants for Lake Calumet Landscaping

Low-Mow Turfgrass Mix

Description: This mix was developed for use as transition between more formally landscaped areas and native and/or natural-appearing areas. This mix will form dense turf in areas of sun to partial shade and requires little, if any, fertilizer or watering. The mix will provide a soft four- to six-inch tall flowing carpet of grass that requires mowing only twice a year.

Common Name	Scientific Name	Quantity (lbs/1,000 s.f.)
GRASSES		
SR5100 Chewings fescue	<i>Festuca rubra</i> "Chewings"	1.15
Sheep fescue	<i>Festuca ovina</i>	1.15
SR3100 hard fescue	<i>Festuca longifolia</i> "SR3100"	0.50
Scaldis hard fescue	<i>Festuca longifolia</i> "Scaldis"	0.50
Creeping red fescue	<i>Festuca rubra</i>	0.50
Dawson red fescue	<i>Festuca rubra</i> "Dawson"	0.50
Perennial ryegrass	<i>Lolium perenne</i>	0.70
TOTAL		5.00

Recommended Plants for Lake Calumet Landscaping

Perennials

This list contains native perennial grasses and flowering plants suitable for installation in parkways, parking lots, fence cuts, and as screening plantings. The list emphasizes plants with color, interesting structure, and tolerance of urban conditions. Selected non-natives and horticultural varieties of native species have been included for improved color and aesthetics. Such species have a "natural" character consistent with the overall visual design and character of the area.

Common Name	Scientific Name
GRASSES	
Big bluestem	<i>Andropogon gerardii</i>
Little bluestem	<i>Andropogon scoparius</i>
Side-oats grama	<i>Bouteloua curtipendula</i>
Buffalograss	<i>Buchloe dactyloides</i>
Feather reed grass	<i>Calamagrostis actuaif.</i> "Karl Foerster"
Variiegated feather grass	<i>Calamagrostis actuaif.</i> "Overdam"
Canada wildrye	<i>Elymus canadensis</i>
Blue fescue	<i>Festuca ovina</i> "Elijah Blue"
Blue oat grass	<i>Helictotrichon sempervirens</i>
"Cloud Nine" switch grass	<i>Panicum virgatum</i> "Cloud Nine"
"Heavy Metal" switch grass	<i>Panicum virgatum</i> "Heavy Metal"
Red switch grass	<i>Panicum virgatum</i> "Rostrahlbusch"
Fountain grass	<i>Pennisetum alopecuroides</i>
Dwarf fountain grass	<i>Pennisetum alopecuroides</i> "Hameln"
"Little Bunny" fountain grass	<i>Pennisetum alopec.</i> "Little Bunny"
Indiangrass	<i>Sorghastrum nutans</i>
Prairie dropseed	<i>Sporobolus heterolepis</i>
PERENNIALS/FORBS	
Common yarrow	<i>Achillea millefolium</i>
"Carnation Gold" Yarrow	<i>Achillea</i> "Coronation Gold"
"Purple Dome" aster	<i>Aster</i> "Purple Dome"
Flat-top aster	<i>Aster umbellatus</i>
"Moonbeam" threadleaf coreopsis	<i>Coreopsis verticillata</i> "Moonbeam"
"Zagreb" threadleaf coreopsis	<i>Coreopsis verticillata</i> "Zagreb"
Pale purple coneflower	<i>Echinacea pallida</i>
"Magnus" purple coneflower	<i>Echinacea purpurea</i> "Magnus"
White flowered coneflower	<i>Echinacea purpurea</i> "White Swan"
Purple coneflower	<i>Echinacea purpurea</i>
Purple leaf winter creeper	<i>Euonymus fortunei</i> "Coloratus"
"Summer Sun" false sunflower	<i>Heliosis helianthoides</i> "Summer Sun"
Blue flag	<i>Iris virginica shrevei</i>
"Kobold" liatris	<i>Liatris "Kobold"</i>
Prairie blazing star	<i>Liatris pycnostachya</i>
Gayfeather	<i>Liatris spicata</i>

Common Name	Scientific Name
Cardinal flower	<i>Lobelia cardinalis</i>
Great blue lobelia	<i>Lobelia siphilitica</i>
Foxglove penstemon	<i>Penstemon digitalis</i>
"Elfinpink" beard tongue	<i>Penstemon "Elfinpink"</i>
"Husker Red" beard tongue	<i>Penstemon "Husker Red"</i>
"Goldstrum" orange coneflower	<i>Rudbeckia fulgida "Goldstrum"</i>
Black-eyed Susan	<i>Rudbeckia hirta</i>
Sweet black-eyed Susan	<i>Rudbeckia subtomentosa</i>
"Mary Night" salvia	<i>Salvia "Mary Night"</i>
Autumn joy sedum	<i>Sedum purpureum "Autumn Joy"</i>
Foam flower	<i>Tiarella cordifolia</i>
Ohio spiderwort	<i>Tradescantia ohioensis</i>